

EYAK ECHO

JUNE 2001

NVE's Chinook Escapement Monitoring (CEM) Program



Alyeska donates truck to NVE for CEM Program

Left to Right: In the Truck Rami McClintock, Kate holding Hayden Williams, Seawan Gehlbach holding Hawkins Williams. Lower Row: Bruce Cain, Wendie Smith, Axel Janson, Stacey Graham, Glenora Zimmer, Larry White holding Reid Williams, Sally Sanculi, Florissa Espejo, Myra Allen, Sandy McClintock



Michael Link with small chinook



Fishwheel 1 & 2 Side by Side

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NVE's Chinook Escapement Monitoring Program (CEM)

NVE Initiates Two Important Salmon Assessment Projects

The Native Village of Eyak recently began two large, multi-year salmon assessment projects. The projects represent significant progress toward NVE taking on an integral role in salmon research and management on the Copper River. One project will attempt to assess the early season escapement of sockeye salmon to the Copper River and the other will attempt to develop a long-term monitoring program to estimate the annual escapement of king salmon to the Copper. The projects were funded for three years each through a competitive grant process with the Federal Office of Subsistence Management. NVE will initially provide fisheries technicians and a project administration role in the work. NVE has retained two firms to assist with project management and technical support. LGL Alaska Research Associates, Inc., of Anchorage will provide project design and management and Aquacoustics, Inc., of Sterling, Alaska, will provide sonar expertise and equipment. The projects will be done collaboratively with local Alaska Department of Fish and Game personnel. Project proposals were initiated in August 2000 when NVE contacted LGL Alaska seeking assistance with submitting proposals to the recently created Office of Subsistence Management. Proposals went through several review processes over the last winter and a final decision to award NVE the contracts was made in late February 2001.

Developing a Test Fishery on the Lower Copper River

The objective of this project is to develop a test fishery in the lower Copper River that may one day provide valuable information for the early season management of the Copper River commercial salmon fishery. NVE secured \$450,000 funding to be spent over 3 years to develop "test-fishing" methods that can work in the highly braided delta area of the Copper River. The project is not intended to replace the ADF&G sonar project at Miles Lake. Instead it is hoped to provide managers with early, but rougher, estimates of the escapement to the river so that the early season fishery can be conducted with greater confidence and "safety margin" than available with-

out it. Currently, managers must be careful early in the season, because fish migration into the river (and upstream of the commercial fishery) can be highly variable from one year to the next. If a useful test fishery can be developed, NVE will seek long-term funding to operate the project well into the future.

The fieldwork began in April and early May with several site assessments involving aerial surveys and acoustic mapping work. Several sites have now been identified where sonar, gillnetting and dipnetting gear will be used in May and June to assess the behavior and abundance of fish. Two different, but sophisticated sonar devices (split-beam and multi-beam sonar) will be used to assess the behavior and distribution of salmon in the many braided channels of the Copper River Delta. ADF&G will be responsible for the netting operation, while NVE and its subcontractors will operate the sonar gear. Two NVE technicians, Clifford Olsen and Roger Johnson, operated the sonar gear from tents placed on the river's banks 12 to 24 hours per day from mid May until early June. This data will be compared to the subsequent escapement at Miles Lake and the feasibility of this form of test fishing can be evaluated.

NVE will host technical and community workshops in Cordova in the fall where the results from the test fishery project will be presented and input solicited on the future direction of the research. Please contact Bruce Cain at the Native Village of Eyak office for more information.

Estimating the System-wide Escapement of Chinook Salmon to the Copper River

The objective of this project is to develop a method of estimating the annual escapement (spawners) of chinook salmon (kings) to the entire Copper River drainage. NVE secured \$700,000 for the project to be spent over three seasons. Borrowing methods developed elsewhere in Alaska and British Columbia, NVE will try to develop a "mark-recapture" program whereby tags are applied to king salmon near Miles

Lake and the run of kings will be later examined near Chitina (Wood Canyon). Large, live-capture fishwheels will be used to capture and recapture fish at the two Canyon locations. By knowing the number of tags released at the tagging site (Baird Canyon) and the proportion of the run with tags at the recapture site (Wood Canyon), biologists can make a reasonably good estimate of the population size in the entire Copper River drainage.

The fieldwork this year begins in mid May when two large aluminum fishwheels will be assembled near Chitina and floated downstream to Baird Canyon.



Tim Petronski is ready to float the fish wheels down the Copper River from Chitina to Baird Canyon

yon. A field camp will be set up at Baird Canyon that will house the crew: Tim Patronski, Peter Masolini, and Roger Johnson (NVE technicians) and Matt Nemeth (LGL biologist) over the two-month field



Michael Lawrence Peter Tim Matt

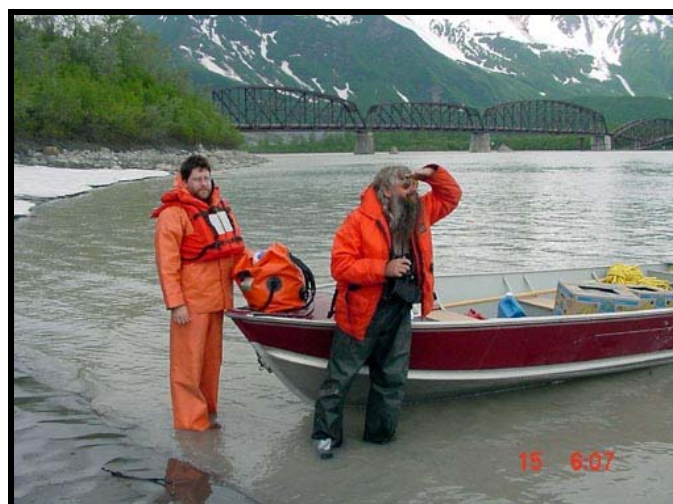
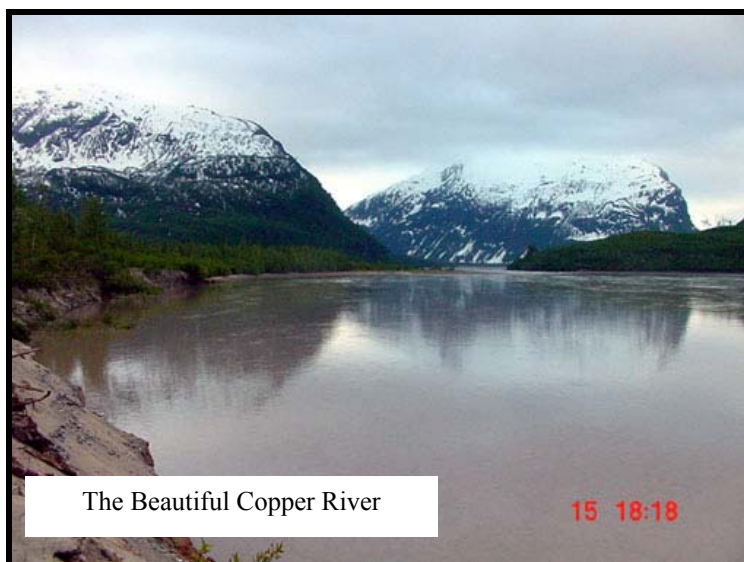
season. In addition, Michael Link (LGL) and Lawrence Stephens (Nisga'a Tribal Council) will be on-site for the first couple weeks to help with the initial

construction and deployment of the fishwheels. Lawrence Stephens is a fisheries technician with extensive experience working with similar large live-capture fishwheels in the Nass River in Northwestern British Columbia. Michael Link has designed and deployed large fishwheels and directed mark-recapture programs elsewhere in Alaska, on the Nass River, and on several rivers around North America.

Several potential fishwheel sites will be tested in and around Baird Canyon in late May. Sites have been located and NVE technicians are operating the fishwheels 24 hours per day since late May to mid July. Salmon captured in the fishwheels will be automatically deposited into large live tanks that are built into the pontoons of the fishwheel and held there until the crew arrives. The crew will visit the fishwheel 3 to 5 times per day to service the fishwheels and to empty the wheel of fish. The NVE technicians will sample the captured fish for biological information (size, age, sex) and external tags will be applied to all king salmon captured. Other salmon species such as sockeye (reds) will be enumerated and released without tags.

Next year, in addition to operating two fishwheels in Baird Canyon, the plan is to deploy two more fishwheels near Wood Canyon (downstream of Chitina). The purpose of these upper fishwheels will be to catch fish and determine the proportion of the king run that was earlier tagged (by counting tagged and untagged fish in the catch). All fish will be released unharmed and no tags will be applied. If successful, this project will become an integral salmon assessment project for the Copper River and NVE hopes to operate it well into the future.





John Williams & Roger Johnson scan the river conditions at the Million Dollar Bridge



Left to Right: Peter Masolini, Roger Johnson, Tim Petronski, Bruce Cain, Matt Nemeth

Top: Floating the Fishwheel Bottom: Towing in Sandstorm



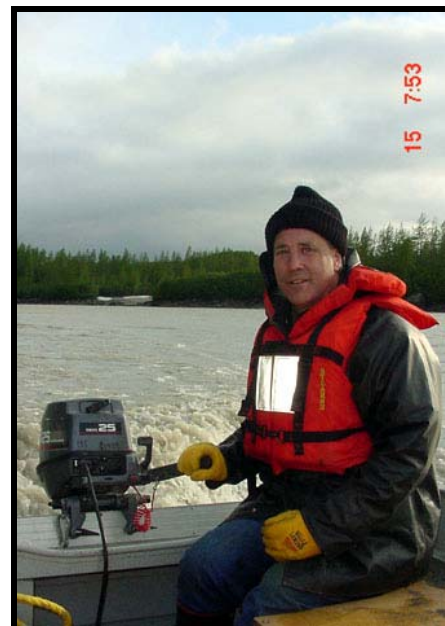
The Fish Wheel Camp



Matt Nemeth * dips a Nice King out of the holding tank



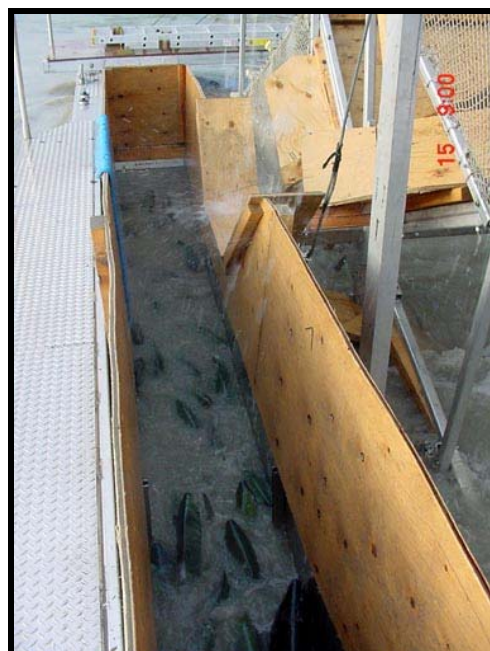
Lawrence Stephens at the fishwheel



Bruce Cain heads up the Copper River to Baird Canyon



The Crew at Chitina: Left to Right: Matt Nemeth, Tim Petronski, Lawrence Stephens, Michael Link, Howard Teas, & Peter Masolini



Fishwheel Holding Tank



Michael Link holds a Pacific lamprey (eel) caught in the fish wheel.

Ilanka Cultural Center Report
By Mary Babic and LaRue Barnes

Following is the *draft mission statement* for the Ilanka Cultural Center and Gift Shop.

“A gathering place to celebrate and safeguard the prehistory, history, and modern diverse, cultural legacy of the indigenous people of the Native Village of Eyak. Our mission is to educate and perpetuate the traditions, skills and materials inherent to our lives as we face the challenges of the 21st century.”

The Native Village of Eyak (NVE) has started the construction on their Cultural Center and Gift Shop. Eagle Contracting is the General Contractor for the project. This is a very exciting time for the community of Cordova. The Center will offer a gift shop with locally handcrafted items along with various Alaskan gifts and authentic Native handicrafts from around the state. There will be a museum/repository for viewing of the artifacts from our region and also to display travelling exhibits from various museums around the state. The Cultural Center will also have an artist's workspace available for local craftspeople and visiting artists to hold classes. When this area is not in use for a class it will be a place to showcase your artwork.

The community of Cordova is so fortunate to have so many talented people that live here. NVE is looking to market local handicrafts at the Gift Shop. The Cultural Center and Gift Shop is in a prime location for selling local artwork. It is located right across from the Fisherman's Memorial in the new Cordova harbor side.

Many people want to purchase authentic Alaska Native handicrafts, which is identified by the “Silver Hand” seal. The seal consists of a black oval containing a hand in silver and the words “Authentic Native Handicraft from Alaska.”

“Made in Alaska” program is designed to promote products made or manufactured in the state and handicrafts produced by both Native and non-Native craftspersons. The official emblem for the “Made in Alaska” program depicts a mother bear and her cub in a rectangular format with the words “Made in Alaska” underneath. The “Made in Alaska” emblem has no established colors.

A new emblem or seal that will be a part of the gift shop is a “NVE Tribal Member” seal which identifies genuine handicrafts made by a local tribal member. All of these emblems or seals will be explained and represented in our gift shop.

The NVE Cultural Heritage Committee members are very active with the Cultural Center. They are interested in quality and pride in the Cultural Center. They will be working with LaRue and Mary on setting the policies for the gift shop.

If you are interested in more information on the Ilanka Cultural Center and Gift Shop, please contact LaRue or Mary at the office.

For further information on the Silver Hand Program, please contact the Alaska State Council on the Arts (907) 269-6610 or e-mail: info@aksca.org

Quyana (Thank You)

Native Village of Eyak Staff and Council wish LaRue Barnes a speedy recovery.
We Miss You! Hurry Back.

Recycling on the run!

By Stacey Graham, TEOA

Native Village of Eyak, Environmental Programs

Welcome to the fishing season! Before I wasn't able to work on my dad's tender anymore, I remember the tremendous amount of trash that we would haul to town that was offloaded from gill-netters. I realize that there is hardly enough room on a gill-netter for storing trash, so maybe we could find some ways to minimize the amount of trash collected. Here are a couple of ideas on how to reuse items commonly used by fishermen and found on boats:

Commonly used items	Ways to reuse or recycle item
Plastic 5-gallon bucket	Use as a garbage can or tool bucket for in the engine room.
Small/large coffee cans	Use to store nuts, bolts, small parts, etc. Fill partly with sand and use as a deck ashtray for non-smoking boats and so you don't have to throw the butts in the water.
Garden hose	Make into an outdoor extension cord protector by slitting the hose along its length and pushing the extension cord inside. Cut into small sections and put on thin metal handles on buckets to make it easier to carry.
Joy Soap bottles	Use old bottles filled with USED motor oil for lubricating drive chains. Cut a scoop shape from the bottom of the handle to the far bottom corner of the bottle and use as a pooper scooper for boats with dogs.

These were just a few ideas off the top of my head, but I guarantee there is more that can be done. Please remember that it's up to us to keep our oceans clean and landfills empty, so **reuse and recycle** all that you can this year and have a safe and prosperous fishing season.

Reuse and Recycle!



POSSIBLE SYMPTOMS IN CHILDREN WHO WITNESS THEIR MOTHER'S ABUSE

Sleeplessness, fear of sleep, nightmares, dreams of danger.

Headaches, stomachaches.

Anxiety about being hurt or killed, hypervigilance about danger

Fighting with others, hurting other children or animals.

Temper tantrums.

Withdrawal from people and activities.

Listlessness, depression, little energy for life.

Feelings of loneliness and isolation.

Substance abuse.

Suicide attempts or engaging in dangerous behavior.

Fears of going to school or of separating from mother, truancy.

Stealing.

Frozen watchfulness or excessive fear.

Acting perfect, overachieving, behaving like small adults.

Worrying, difficulties in concentrating and paying attention.

Bed wetting or regression to earlier developmental stages.

Eating problems.

Medical problems like asthma, arthritis, ulcers .

Denial of any problem or dissociation.

Identification with the aggressor.

NO ONE HAS THE RIGHT TO HIT OR HURT ANOTHER PERSON.



PULLING THE PLUG ON TV VIOLENCE

Facts and Tips for Parents

Fact: Did you know that television teaches your child about violence? As adults, we know that real violence causes pain and sadness, but on TV, violence is often **painless** and sometimes **funny**. American children see over 12,000 violent acts per year on TV. And some of the most violent shows are children's shows.

Fact: TV characters often use violence to solve problems. Children need to learn how to solve problems in a non-violent way.

Fact: Just as children learn from brothers and sisters, they also learn from their TV heroes— both good and bad habits. According to experts in the field :

*some children learn to fight by watching violence on TV,

*other children learn to become victims, and *many learn that violence is fun to watch, and as a result, friends encourage friends to fight.

TIP-Limit your child's TV watching to 2 hours a day.

TIP-Know what your child is watching. Help your child chose programs that are less violent.

TIP-Do not put a TV in your child's room. You won't know what programs your child is watching or how much time is spent in front of the TV.

TIP-When you're watching a program that has violence, don't allow your child to watch it with you.

TIP-Stop unauthorized viewing with a blocking device if necessary.

TIP-Watch programs with your child. If a program contains violence, talk about it with your child and ask:

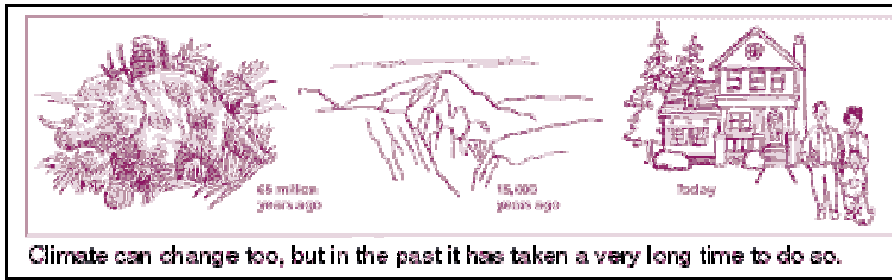
*Is this real or pretend?

*Is this the way to solve a problem?

*What would happen if you did that?

TIP-Tell your child how you feel about violence. Tell your child that real violence is painful and makes people sad and angry.

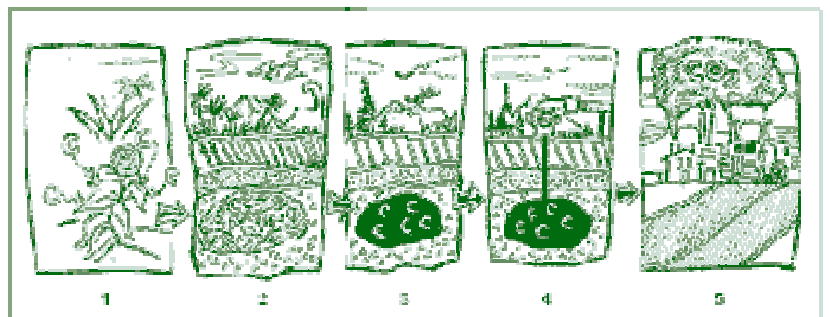
PLANET EARTH FACTS By Vera L. Allen



Welcome to Planet Earth

Credit: Apollo 17 Crew, NASA

Explanation: Welcome to Planet Earth, the third planet from a star named the Sun. The Earth is shaped like a sphere and composed mostly of rock. Over 70 percent of the Earth's surface is water. The planet has a relatively thin atmosphere composed mostly of nitrogen and oxygen. Earth has a single large Moon that is about 1/4 of its diameter and, from the planet's surface, is seen to have almost exactly the same angular size as the Sun. With its abundance of liquid water, Earth supports a large variety of life forms, including potentially intelligent species such as dolphins and humans. Please enjoy your stay on Planet Earth.



- (1) Plants remove carbon dioxide from the air.
- (2) When the plants died they were buried in the earth.
- (3) After millions of years, their remains turned into coal and oil.
- (4) People mine the earth for coal and oil, which are called "fossil fuels."
- (5) When people burn fossil fuels, they send carbon dioxide and other greenhouse gases into the air.

The Earth is a geologically active world. Its surface is a rocky crust divided into huge plates that rub against one another, creating mountain ranges, volcanoes, earthquakes, and oceanic trenches. Neither Venus nor Mars, our neighboring planets, exhibit any features indicative of widespread plate motions. From seismic waves produced by earthquakes, we know that the Earth's interior consists of an iron-rich core surrounded by a thick mantle of partly molten rock. The transport of heat outward from the Earth's interior produces currents in the mantle that propel the plate motions that shape the Earth's rigid crust. Electric currents within the iron-rich core generate a planet wide magnetic field, which extends far into space and shields us from the solar wind. Earth's atmosphere is uniquely rich in nitrogen and in oxygen, a result of the activity of living organisms over billions of years. But today, by rapidly altering the chemical composition and thermal balance of Earth's atmosphere, humans are threatening the survival of many species, perhaps even our own.

Culture Week in Tatitlek May 2001

Information from Sue Johnson

On Monday May 7, 2001 the Culture Week events in Tatitlek went as follows:

The key note speaker was Sheri Buretta and she was very inspiring. Tatitlek Dancers performed and had a welcome potluck.

Tuesday night was appreciation night. Three plaques were presented:

1. Sue Johnson in Memory of her son Kevin Blake.
2. Feona Sawden and
3. Floyd Robart in Memory of Lydia Robart.

There were also 3 appreciation awards given. They were awarded to:

1. Alyeska
2. Georgianna Lincoln
3. Debbie Bontrager

Wednesday Pam Smith, Sally Sanculi, and Sue Johnson worked on cutting and smoking subsistence fish. Wednesday night was Chugach Regional Forum.

Thursday the culture week participants and the Tatitlek community put on a very interesting Talent Show.

Friday the kids presented the cultural projects they had been working on all week. They had an annual auction from the crafts, and raised 18,000 dollars for next years Cultural Heritage Week.

The Cultural Heritage week was ended with Premium Blend Band, with dancing till the early morning hours.

Thank you to Ken Vlasoff for providing the kings and reds from the first subsistence opener. Also thanks to the hunters who brought in seal, sea lion, and bear meat for this wonderful occasion.

Also present was Jeannie Green Productions from Heart-beat Alaska she did a documentary on Cultural Heritage Week.



Tribal Members Shivonne Allen holding Drake Riley, and Carl Allen having fun with a jolly rancher.

BE KIND TO YOUR PLANET, ALWAYS RECYCLE WHEN POSSIBLE.

BE KIND TO ANIMALS AND WATCH OUT FOR BEARS.

KEEP OUR PLANET BEAUTIFUL, CLEAN UP AFTER YOURSELF ON PICNICS, AND OTHER FUN SUMMER OUTDOOR ACTIVITIES



Native Village of Eyak
received the following awards at NYO:

Best Banner

Male Most Athletic: Alan Velasco

The Native Village of Eyak
P.O. Box 1388
Cordova, Alaska 99574
Phone: (907) 424-7738 Fax: (907) 424-7739
Email: vallen@tribalnet.org

If there is anything you would like to see in the Eyak Echo or you have something you would like to submit for the next newsletter, please e mail or call Vera Lynn Allen at the address above.

JUNE BIRTHDAYS

**MABEL KOMPKOFF
BEVERLY BABIC
PHYLLIS DAY
JAMES TOTEMOFF SR.
DANIEL MCDANIEL
JAMES MCDANIEL
DAN BURCH
ERIC SKULSTAD
ANDREW NICHOLS
WALLY KOMPKOFF
LANCE KOMPKOFF
CHRISTINE HERNDON
JESSICA HOPKINS
DIANA RIEDEL
BRAD ASPELUND
THOMASINA ANDERSON
MATTHEW WARD
BRIANNE WEBBER
KYLE BORODKIN
GALEN MEYER
CULLY THOMPSON
ASHLEY KOMPKOFF
HAYLI JEPSON
LONDON ALBER
BILL PERRY
ALLEN FRAZIER
VIRGINIA LACY
AXEL (BUD) JANSON**



Happy Father's Day

Native Village of Eyak Tribal Council:

President-Robert Henrichs

Vice-President-John Mark Hoover

Secretary/Treasurer-Mark King

Council Member-Mike Webber

Council Member-Glenn Ujioka



Native Village of Eyak Staff

Executive Director

Bruce Cain

Administrative Assistant

Glenora Zimmer

Receptionist/Office Assistant

Sally Sanculi

Vera Allen

Bookkeeper

Florissa Espejo

Controller

Larry White

CHR/CHC

Myra Allen

Housing

Marlena Fonzi

ICWA Coordinator

Wendie Smith

ANA Gift Shop Coordinators

Mary Babic * LaRue Barnes

Maint/Support System

Joe Cook * Tom Andersen

Ilanka - Physicians Assistant

Marilyn Eaton

Ilanka - Office Manager

Cindy Graham

Dir. Environmental Programs

Kate Williams

Environmental Planner

Seawan Gehlbach

Environmental Education

Altana Olsen * Stacey Graham

Summer Youth

Shivonne Allen